AMENDMENTS TO THE CLAIMS

1.   (Currently Amended) A method of managing information input via a sensor device and a position-coding pattern printed on a product, comprising:

reading coordinates of said sensor device based on movement of said sensor device relative to said position-coding pattern, said position-coding pattern including marks that code coordinates on a reference surface, said reference surface including position-coding pattern portions that are used to create a plurality of product types, said position-coding pattern printed on said product including at least a first sub-pattern portion and a second sub-pattern portion; and

executing an information management function based on coordinates read from said first sub-pattern portion, said information management function managing information formed by coordinates read from said second sub-pattern portion,

wherein said sensor device determines a characteristic of at least one of said first sub-pattern portion and said second sub-pattern portion based on at least one coordinate read from said product and definition data stored in a memory of said sensor device,

wherein coordinates read from said product define multiple bit codes and said sensor device determines a local coordinate within

<u>said second sub-pattern portion based on said definition data and</u>

<u>at least a portion of a multiple bit code.</u>

2.   (Original) A method as claimed in claim 1, wherein said information management function is one of: storing information, sending information, and converting information.

3.   (Previously Presented) A method as claimed in claim 1, wherein said information management function is a send function by which said sensor device sends at least part of coordinates from a send area of said first sub-pattern portion to a database device which allocates a particular send address to said send area, which is used to send said information to a recipient.

4.   (Original) A method as claimed in claim 3, wherein said send address is communicated to said sensor device, which sends a request to a computer device defined by said send address to execute a program in said computer device.

5.   (Previously Presented) A method as claimed in claim 4, wherein said program analyzes coordinates read from said second sub-pattern portion and sends a request to said sensor device to transfer said information, the program generating a message according to said information.

6.   (Original) A method as claimed in claim 5, wherein said program generates an e-mail which is sent to a recipient.

7.   (Previously Presented) A method as claimed in claim 6, wherein the e-mail address for said recipient is included in said information.

8.   (Original) A method as claimed in claim 5, wherein said program generates a function for performing an electronic commerce service.

9.   (Previously Presented) A method as claimed in claim 1, wherein said reference surface comprises at least one of a send region, a note region, a general region, an application domain region, a private region and a direct-managed region.

10.   (Currently Amended) A system for managing information, comprising:

a sensor device which comprises a coordinate reader for reading coordinates of said sensor device based on movement of said sensor device relative to a position-coding pattern printed on a product, said position-coding pattern including marks that code coordinates on a reference surface, said reference surface

including position-coding pattern portions that are used to create a plurality of product types, said position-coding pattern printed on said product including at least a first sub-pattern portion and a second sub-pattern portion ; and a memory storing definition data; and

an information manager for executing an information management function based on coordinates read from said first sub-pattern portion, said information management function managing information formed by coordinates read from said second sub-pattern portion;

wherein said sensor device determines a characteristic of at least one of said first sub-pattern portion and said second sub-pattern portion based on at least one coordinate read from said product and said definition data stored in said memory,

wherein coordinates read from said product define multiple bit codes and said sensor device determines a local coordinate within said second sub-pattern portion based on said definition data and at least a portion of a multiple bit code.

11. (Previously Presented) A system as claimed in claim 10, wherein said information management function executed by said information manager is one of: storing information, sending information, and converting information.

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12. (Previously Presented) A system as claimed in claim 10, wherein said information management function executed by said information manager is a send function which enables said sensor device to send at least part of coordinates from a send area of said first sub-pattern portion to a database device which allocates a particular send address to said send area, which is used to send said information to a recipient.

13. (Original) A system as claimed in claim 12, wherein said send address is communicated to said sensor device, which sends a request to a computer device defined by said send address to execute a program in said computer device.

14. (Previously Presented) A system as claimed in claim 13, wherein said program analyzes coordinates read from said second sub-pattern portion and sends a request to said sensor device to transfer said information, the program generating a message according to said information.

15. (Original) A system as claimed in claim 14, wherein said program generates an e-mail which is sent to a recipient.

16.   (Previously Presented) A system as claimed in claim 15, wherein the e-mail address for said recipient is included in said information.

17.   (Original) A system as claimed in claim 14, wherein said program generates a function for performing an electronic commerce service.

18.   (Previously Presented) A system as claimed in claim 10, wherein said reference surface comprises at least one of a send region, a note region, a general region, an application domain region, a private region and a direct-managed region.

19.-24.   (Canceled).

25.   (Previously Presented) A method as claimed in claim 1, wherein said definition data defines the extent of each of a plurality of addressable sub-pattern units in said reference surface.

26.   (Previously Presented) A method as claimed in claim 1, wherein each of said coordinates defines a multiple bit code, and wherein said definition data identifies a section of said multiple bit code as being indicative of an addressable sub-pattern unit.

27.   (Previously Presented) A method as claimed in claim 1, wherein said sensor device forms said information from said coordinates read from said second sub-pattern portion.

28.   (Previously Presented) A method as claimed in claim 1, wherein said sensor device forms said information in local coordinates within said second sub-pattern portion.

29.   (Previously Presented) A method as claimed in claim 28, wherein each of said coordinates defines a multiple bit code, each of said local coordinates being formed based upon a predetermined part of said multiple bit code.

30.   (Previously Presented) A method as claimed in claim 1, wherein said sensor device identifies said information management function based upon said definition data.

31.   (Previously Presented) A method as claimed in claim 1, wherein said definition data defines the extent of said first sub-pattern portion.

32.   (Previously Presented) A method as claimed in claim 1, wherein each of said coordinates defines a multiple bit code,

wherein said definition data associates one part of said multiple bit code with said first sub-pattern portion.

33. (Previously Presented) A method as claimed in claim 32, wherein said definition data associates another part of said multiple bit code with an area within said first sub-pattern portion, said area being indicative of said information management function.

34. (Previously Presented) A system as claimed in claim 10, wherein said definition data defines the extent of each of a plurality of addressable sub-pattern units in said reference surface.

35. (Previously Presented) A system as claimed in claim 10, wherein each of said coordinates defines a multiple bit code, and wherein said definition data identifies a section of said multiple bit code as being indicative of an addressable sub-pattern unit.

36. (Previously Presented) A system as claimed in claim 10, wherein said sensor device forms said information from said coordinates read from said second sub-pattern portion.

37. (Previously Presented) A system as claimed in claim 10, wherein said sensor device forms said information in local coordinates within said second sub-pattern portion.

38. (Previously Presented) A system as claimed in claim 37, wherein each of said coordinates defines a multiple bit code, each of said local coordinates being formed based upon a predetermined part of said multiple bit code.

39. (Previously Presented) A system as claimed in claim 10, wherein said sensor device identifies said information management function based upon said definition data.

40. (Previously Presented) A system as claimed in claim 10, wherein said definition data defines the extent of said first sub-pattern portion.

41. (Previously Presented) A system as claimed in claim 10, wherein each of said coordinates defines a multiple bit code, wherein said definition data associates one part of said multiple bit code with said first sub-pattern portion.

42. (Previously Presented) A system as claimed in claim 41, wherein said definition data associates another part of said

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multiple bit code with an area within said first sub-pattern portion, said area being indicative of said information management function.